	NORTH	PROJECT				LOCATION					ZIMUTH BY ALTITUDE METHOD For use of this form, see FM 3-34.331; the proponent agency is TRADOC.						
		ORGANIZA	TION		'	LATITU	LATITUDE L		LONGITUDE		STATION						
	OBSERVER	MARK				INSTRU	INSTRUMENT (Number and type)					STANDARD TIME (Meridian)					
		CELESTIAL	BODY(S)			WATCH	H FAST (-) SLOW (+)			WATCH COMPARED (Time)							
		DATE (YYY	YMMDD)	OBSER	VER					WEATHER							
HOR. Al					NR 1 VFRT	. ANGLE	SET NR ANGLE HOR. ANGLE						SET NR 3 DR. ANGLE VERT. ANGLE				
Mean			0 ,	"	0	' "	0 '	"	0	′	"	0 '	"	0	,	"	
Parallax			,				,										
Mean re	fraction																
h (sum)																	
			HRS.	MI	N.	SEC.	HRS.	MIN	١.	SEC	<u>.</u>	HRS.	MI	N.	SE	EC.	
Mean time											-						
	orrection										\dashv						
TZC											_						
Universal time (UT) δ at O^h UT \pm			0		,	"	0		,		"	0		,		"	
_											\dashv						
UI X d var. per nr.											\dashv						
δ											\dashv						
h											\dashv						
$\frac{\phi}{\sin \delta}$		± ±									_						
Sin h											\dashv						
Sin ii		+									_						
Cos h		+															
Cos ø		± ±									-						
Cos A											_						
A (E or '	W)		0		,	"	0		′		"	0		,		"	
Azimuth																	
	Mark to S	_															
	to Mark																
Mean true azimuth to Mark			0		'	"					.	e . 1	ı				
Grid correction							$\cos A = \frac{\sin \delta - \sin h \sin \phi}{\cos h \cos \phi}$ Computation = Three sets are computed separately										
Grid azimuth																	
Mag. azimuth to Mark							for check, refraction and parallax correction from FM 3-34.331. Apply watch correction										
Mag. declination												e correction to			e.		
δ = decl	lination, (+) if	north, (-) if s	outh. h = alti	tude. $\phi =$	latitude,	(+) if north,	(-) if south.										
A = Astronomic azimuth east or west of north. If cos COMPUTED BY					between 90' (YMMDD)		CHECKED BY					DATE (YYYYMMDD)					